

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: June 29, 2018	WEATHER: Overcast, High ~75 degrees F
Personnel and Visitors Onsite: Research vessel Cayuse – <u>CDM Smith</u> : Mary Lou Fox; <u>AECOM</u> : Mark Taucher; <u>AECOM</u> : <u>Geosyntec</u> : Alison Clemens; <u>Gravity Marine</u> : John Schaefer, Maggie McKeon (partial day), and Mike Duffield (partial day) Research vessel Methow -- <u>CDM Smith</u> : Libby Miner; <u>AECOM</u> : Stu Holmes; <u>AECOM</u> : <u>Geosyntec</u> : Erin Dunbar <u>Gravity Marine</u> : Pete Jenkins, Maggie McKeon (partial day), and Mike Duffield (partial day)	
Planned Activity: <ul style="list-style-type: none"> Collect surface sediment samples at stratified random locations on upriver reaches. 	
Activity Completed: A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included keeping alert, particularly as weekend and 4 th of July holiday approach and boat safety. Mary Lou Fox performed oversight of surface sediment sampling from 08:00 to 17:20 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows: <ul style="list-style-type: none"> Position check at PH-2 indicated that the vessel GPS was reading within 1 meter of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP. 3-point composite surface sediment samples were collected from 4 SMA stratified random locations from RM 12.75 to RM 13 and near RM 13, upriver of the Site as summarized below. Activities included decontamination of sampling equipment using Alconox and deionized/distilled water and housekeeping of the sampling area. A split sample was collected at the SG-B435 location Libby Miner performed oversight of surface sediment sampling from 08:00 to 17:40 on board the Methow. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows: <ul style="list-style-type: none"> Position check at PH-2 indicated that the vessel GPS was reading within 1.1 meter of the PH-2 survey coordinates, meeting the 1-2 m accuracy specification in the FSP. 3-point composite surface sediment samples were collected from 3 SMA stratified random locations upriver of the Site as summarized below. Activities included decontamination of sampling equipment using Alconox and deionized/distilled water and housekeeping of the sampling area. 	
Status of Schedule & Priority Work: <ul style="list-style-type: none"> Sampling will continue into next week until the 4th of July holiday on the Cayuse and Methow. Remaining sample locations include some blocked or attempted locations that could not be sampled at the time, and locations on private property with none or recently procured access agreements and the remaining upriver locations. Sampling on private property locations will continue at locations with property access agreements. 	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): At location SG-B433, rocks and/or concrete debris were caught in the sampler jaws for the first two grabs and only 6 cm of sediment in a disturbed condition were recovered in the third grab. Probing the river bottom at 25-foot intervals was performed parallel to the shoreline in 14 locations at SG-B433 per the new FSP protocol. All probing results indicated hard rocks or gravel. No sample was collected from location SG-B433. A new research vessel, the Methow, was used while the Tieton underwent repairs. The sediment grabber equipment was borrowed from the Tieton while the navigation equipment and sonar were specific to the Methow. The GPS coordinate system was checked at the PH-2 marker and the sonar was verified with a lead line which confirmed that water depth readings were within 1 ft. CDM Smith verified safety equipment on the Methow, including a first aid kit, working AED, bottled water, fire extinguisher, spill kit, flotation ring, and PFDs for crew.	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): On the Cayuse, sediment samples were collected at the following sampling locations: <ul style="list-style-type: none"> PDI-SG-B434 – RM 12.75 E, within 25-FT radius, very dark brown sandy silt PDI-SG-B435 – RM 12.8 E, within 25-FT radius, grayish brown sandy silt PDI-SG-B441 – RM 14 E, within 50-FT radius, very dark gray silt with trace sand PDI-SG-B442 – RM 14 E, within 25-FT radius, very soft silt with trace sand On the Methow, sediment samples were collected at the following sampling locations: <ul style="list-style-type: none"> PDI-SG-B439 – RM 13 E, within 25-FT radius, silt with trace fine sand PDI-SG-B440 – RM 14 W, within 25-FT radius, silt PDI-SG-B445 – RM 14.5 E, within 50-FT radius, silty fine sand 	

Wet sieving was performed on sediment from the first grab at each location to confirm that the sediment 35% or greater fines per the new FSP protocol.

Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes. Trace components are not included in simplified descriptions unless related to sheen or biota.

Photographs of work were taken throughout the day on board the Cayuse and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

- Excess sediment and debris from today's sampling activities was rinsed back into the river per the FSP. No significant sheen was observed today.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:

None

Signature:

Mary Lou Fox, Libby Miner

DATE

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